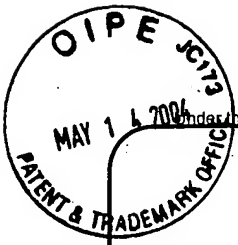


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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/811,090	
	Filing Date	03/26/2004	
	First Named Inventor	WELLINGHOFF	
	Art Unit	Not Yet Assigned	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	9+	Attorney Docket Number	SwRI-2835-11

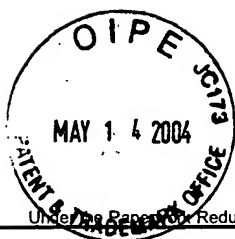
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Application Number	10/811,090
Filing Date	03-26-04
First Named Inventor	WELLINGHOFF
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-11

Sheet 1 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- RE32073	01-28-1986	RANDKLEV	
		US- 4215033	07-29-1980	BOWEN	
		US- 4539048	09-03-1985	COHEN	
		US- 4588756	05-13-1986	BOWEN	
		US- 4623738	11-18-1986	SUGERMAN	
		US- 4659751	04-21-1987	BOWEN	
		US- 4663147	05-05-1987	DEPRINCE	
		US- 4753652	06-28-1988	LANGER	
		US- 4964911	10-23-1990	IBSEN	
		US- 4978640	12-18-1990	KELLY	
		US- 5024850	06-18-1991	BROER	
		US- 5030608	07-09-1991	SCHUBERT	
		US- 5057018	10-15-1991	BOWEN	
		US- 5064877	11-12-1991	NASS	
		US- 5073294	12-17-1991	SHANNON	
		US- 5202053	04-13-1993	SHANNON	
		US- 5276068	01-04-1994	WAKNINE	
		US- 5308886	05-03-1994	MASUHARA	
		US- 5328947	07-12-1994	TAGUCHI	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		CA 2181507	01-19-1997	IVOCLAR AG		
		DE 10016524 A1	10-04-2001	BASF AG		
		EP 0159887 A2	10-30-1985	MINNESOTA MININ		
		EP 0754675 A2	01-22-1997	IVOCLAR AG		
		EP 1142863 A2	10-10-2001	BASF AKTIENGES		
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Application Number	10/811,090
Filing Date	03-26-04
First Named Inventor	WELLINGHOFF
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DEWAR, et al., Factors influencing the Stabilities of Nematic Liquid Crystals, J. Am. Chem. Soc., 1975, pp. 6658-6666, 97:23.	
		ELLSWORTH, et al., Mutually interpenetrating inorganic-organic networks. New Routes into nonshrinking sol-gel composite materials, J. Am. Chem. Soc., 1991, 113, pp. 2756-2758	
		GALLI, et al., Thermotropic Poly(ester-B-sulfide)s. A new polymer series containing the p-phenylene di(p-oxybenzoate) unit, Polymer Bulletin 21,1989, pp. 563-569.	
		HIKMET, et al., Effect of the orientation of the ester bonds on the properties of three isomeric liquid crystal diacrylates before and after polymerization, Macromolecules, 1995, pp. 3313-3327, 28.	
		LANDRY, et al., In situ polymerization of tetraethoxysilane in poly (methyl methacrylate): morphology and dynamic mechanical properties, Polymer, 1992, pp. 1486-1495, Vol. 33, No. 7.	
		LEE, et al., Phase behavior of liquid crystalline polymer/model compound mixtures: theory and experiment, Macromolecules 1994, 3955-3962, 27.	
		NODE, et al., Hard acid and soft nucleophile system. 2.1 Demethylation of methyl ethers of alcohol and phenol with an aluminum halide-thiol system, J. Org. Chem., 1980, pp. 4275-4277, 45.	
		RITTNER, Nanostructured materials: A technical-market analysis, Proceedings of The First BCC Conference on Fine, Ultrafine, and Nano Particles, 1998, Page 1, Ch. 1, Business Communications Co., Inc., USA.	
		SCHMIDT, et al., Organically modified ceramics and their applications, J. Non-Cryst. Sol. 1990, pp. 428-435, 121.	
		SCHMITT, et al., New Liquid Crystalline di-and tetra- acrylates for network formation, Liquid Crystals, 2001, pp. 1611-1621, Vol 28, No. 11.	

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		WEDLER, et al., Vittrification in low-molecular-weight mesogenic compounds, J. Mater. Chem. 1991, pp. 347-356, 1(3).	
		WEI, et al., Synthesis of New Organic-inorganic hybrid glasses, Chemistry of Materials, 1990, pp. 337-339, Vol. 2, No. 4.	
		WELLINGHOFF, et al., Tantalum Oxide-Polymer composites, The Int'l Symposium, Hyatt O'Hare Regency, Chicago, IL, USA, 1993, pp. 141-154.	

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Applicant:	<u>WELLINGHOFF, et al.</u>	Group Art Unit:	<u>Not Yet Assigned</u>
Serial No.:	<u>10/811,090</u>	Examiner:	<u>Not Yet Assigned</u>
Filing Date:	<u>03/26/2004</u>	Docket No.:	<u>SwRI-2835-11</u>
Title:	<u>Novel Mesogens</u>		



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First Named Inventor	WELLINGHOFF
Art Unit	Not Yet Assigned
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		US- 5334625	08-02-1994	IBSEN	
		US- 5372796	12-13-1994	WELLINGHOFF	
		US- 5472797	12-05-1995	YAJIMA	
		US- 5486548	01-23-1996	PODSZUN	
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		US- 5804097	09-08-1998	DELAVIER	
		US- 5833880	11-10-1998	SIEMENSMEYER	
		US- 5834532	11-10-1998	YAMAMOTO	
		US- 5852248	12-22-1998	CHADWICK	
		US- 5859089	01-12-1999	QIAN	
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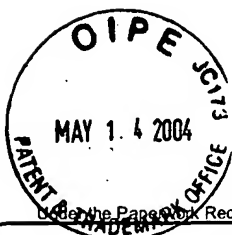
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		JP 05178794	07-20-1993	TOKUYAMA SOTATS		
		WO 79/01040	11-29-1979	EASTMAN KODAK C		
		WO 92/16183	10-01-1992	THERA PATENT GM		
		WO 93/22397	11-11-1993	MERCK PATENT GM		
		WO 94/16129*	07-21-1994	PPG INDUSTRIES		
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		US- 5871665	02-16-1999	COATES	
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		US- 5897885	04-27-1999	PETTICREW	
		US- 5910273	06-08-1999	THIEL	
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		US- 5955514	09-21-1999	HUANG	
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		US- 6022404	02-08-2000	ETTLINGER	
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		WO 97/14674	04-24-1997	DENTSPLY INTERN		
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		WO 98/23580	06-04-1998	BASF AKTIENGES		
		WO 99/17716	04-15-1999	DENTSPLY INTERN		
		EP 0 869 112 A1	03-17-1998	Daimler Benz		
		EP 0 242 278 A2	10-21-1987	U. of Illinois		

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		EP 0722992	07-24-1996	DEGUSSA AG		
		WO 02/070543 A2	09-12-2002	UNIVERSITY OF TEXAS		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 . DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 .

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wellinghoff § Group Art Unit: Not Yet Assigned
Serial No.: 10/811,090 § Examiner: Not Yet Assigned
Filed: 03/26/04 § Atty. Docket No.: SwRI-2835-11
Title: Novel Mesogens

MAIL STOP AMENDMENT

Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

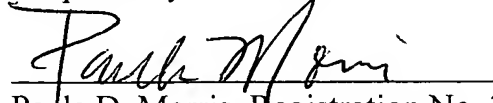
Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56 exists.

The commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. **50-0997 (SWRI-2835-11)**, maintained by Paula D. Morris & Associates, P.C. d/b/a The Morris Law Firm, P.C..

Respectfully submitted,



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